

## Plan Review Summary

### Building Information

Project Name:	Kappa Alpha Theta-Consultation	Floor/Room #:	
Building #:		Department:	
Occupancy Type:	Dormitory	Budget:	\$4.8M
Construction Type:	IIB	Type of Review:	Consultation

### Project Management

Project Manager:	Andy Anderson
Architect/Engineer of Record:	Michael S. Hug
Construction Manager:	Tyler White
Aim Project Number:	

### Reviewer Information

Reviewer Name:	Jake LeJeune	Date Received:	5/17/2018
Disposition:	Consultation Provided - Submittal Required	Date Completed:	5/21/2018

### Status Statement

Note: New Construction: Kappa Alpha Theta

### Review Comments:

1. Sheet A0-11: The travel distance from the House Director Bedroom is passing through a wall, please revise. Also, there is a closet door swing obstructing the means of escape door from the bedroom.
2. The laundry rooms on floors 2 and 3 shall be protected with a 1 hour fire separation and fire sprinklers in accordance with the 2012 edition of NFPA 101 table 28.3.2.2.2. Please show compliance with the 1 hour fire separation.
3. It appears that the back wall of the janitor closets is not fire rated. Please explain or provide fire separation.
4. Please include in the door schedule that all doors in the required means of egress on the first floor shall have panic hardware on doors with a lock or latch in accordance with the 2012 edition of NFPA 101 chapter 12.
5. Sheet A7-01: The door schedule indicates the doors for rooms 218 and 318 are 1/3 hour Type L-Door Louver doors. Please show compliance with the 2012 edition of NFPA 101 28.3.6.4 Transoms, Louvers, or Transfer Grilles shall be prohibited in walls or doors of exit access corridors.
6. Please show compliance with the 2012 edition of NFPA 101 7.2.2.5.4 and provide a Stair Signage Identification detail.
7. Please provide complete Mechanical Hood plans for review, including a hanging and bracing plan, distance to combustibles (exhaust fire wrapping if applicable), manufacturer specifications on all equipment and appliances. Indicate that the appliances are 6 inches inside the hood. Provide hood fire suppression plans and design manual, K-fire extinguisher, sequence of operation, location of pull station, exhaust termination and distance from intakes, etc.
8. Please revise to make the Fire Department Connection accessible from 5<sup>th</sup> street. Indicate that Knox locking FDC caps will be used.
9. Please indicate the maximum occupant load signs for the assembly areas will be posted.
10. Please acknowledge that complete sets of plans and documents shall be submitted for the fire sprinkler system and fire alarm system and will be reviewed under their submittals. Carbon monoxide detectors shall be installed in the kitchen in accordance with the 2012 edition of NFPA 101 28.3.4.6.5. Audible appliances provided for the sleeping areas to awaken occupants shall produce a low frequency alarm signal that complies with a square wave or provide equivalent awakening ability; and the wave shall have a fundamental frequency of 520 Hz +/- 10 percent.
11. Please provide details on area of refuge requirements in accordance with the 2012 edition of NFPA 101 7.2.12.
12. Please indicate that the exterior adjacent wall next to the adjacent building is a 1 hour fire resistance exterior wall in accordance with the 2012 edition of IBC table 602.

### General Note:

1. Inspection requests: <http://www.ehs.gatech.edu/fire/inspection-request>
2. Hot Work Permit Request: [http://www.ehs.gatech.edu/fire/permit-request/hot\\_work](http://www.ehs.gatech.edu/fire/permit-request/hot_work)

**Additional Requirements (as needed):**

1. Fire Emergency Response Plans
2. Red Book Completion and Fixed Location Designation

**Plan / Shop Drawings Required:**

1. Fire Suppression
2. Fire Alarm

**Inspections Required:**

1. Fire Safety Office Project Kick-Off Meeting
2. Thrust Block Inspections
3. Underground Pressure Test
4. System Flush
5. Sprinkler Pipe Inspections
6. Rough-in
7. 50% Wall (Rated walls, doors, dampers, horizontal penetrations, etc.)
8. 80% Ceiling, Alarm, Sprinkler (vertical penetrations, junction boxes, lights tied at corners, sprinkler and fire alarm roughed in, etc.)
9. 100% Construction, Alarm Commissioning, Sprinkler Commissioning, Certificate of Occupancy (all work complete, commissioning of systems, close-out documents, etc.)

**Permits Required:**

1. Demolition
  2. Construction / Interior Renovation
  3. Fire Suppression System
  4. Fire Alarm
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